



PTO/SB/08A (07-05)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 5

**Complete if Known**

Application Number	10/696,462
Filing Date	October 29, 2003
First Named Inventor	Golovchenko
Art Unit	2879
Examiner Name	E. Rielley
Attorney Docket Number	HVD2093

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
EL	A1	US- 2001/0009693	07-26-2001	Lee et al.	11
EL	A2	US- 6,297,063	10-02-2001	Brown et al.	11
EL	A3	US- 6,333,016	12-25-2001	Resasco et al.	11
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EL	A17	US- 2003/0186167	10-02-2003	Johnson Jr. et al.	11
EL	A18	US- 2003/0214054	11-20-2003	Awano et al.	11
EL	A19	US- 2004/0043527	03-04-2004	Bradley et al.	11

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
EL	A20	WO 02/26624 A1	04-04-2002	President and Fellows of Harvard College	11	
EL	A21	WO 01/44796 A1	06-21-2001	Bd. of Trustees of the Leland Stanford Jr. University	11	
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EL	A23	WO 02/092505 A2	11-21-2002	Infineon Technologies	11	
EL	A24	WO 2004/040616 A2	05-13-2004	Hahn-Meitner-Inst. Berlin	11	
EL	A25	DE 102 50 829 A1	10-31-2002	Infineon Technologies	11	

Examiner  
Signature

Elizabeth Rielley

Date  
Considered

12 December 05

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First Named Inventor	Golovchenko
Art Unit	2879
Examiner Name	E. Riolley
Attorney Docket Number	HVD2093

Sheet	2	of	5
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## U. S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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Signature**

Elizabeth Kullen

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13 December '95

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Sheet	3	of	5	Attorney Docket Number	HVD2093

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	B1	KONG et al., "Synthesis of individual single-walled carbon nanotubes on patterned silicon wafers," Nature, Vol. 395, pp. 878-881, October 29, 1998.	
	B2	FAN et al., "Self-Oriented Regular Arrays of Carbon Nanotubes and Their Field Emission Properties," Science, Vol. 283, pp. 512-514, January 22, 1999.	
	B3	MARTEL et al., "Single- and multi-wall carbon nanotube field-effect transistors," Appl. Phys. Lett., Vol. 73, No. 17, pp. 2447-2449, October 26, 1998.	
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	B5	CASELL et al., "Directed Growth of Free-Standing Single-Walled Carbon Nanotubes," J. Am. Chem. Soc., Vol. 121, pp. 7975-7976, 1999.	
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	B7	ZHANG et al., "Electric-field-directed growth of aligned single-walled carbon nanotubes," Appl. Phys. Lett., Vol. 79, No. 19, pp. 3155-3157, November 5, 2001.	
	B8	WIND et al., "Vertical scaling of carbon nanotube field-effect transistors using top gate electrodes," Appl. Phys. Lett., Vol. 80, No. 20, pp. 3817-3819, May 20, 2002.	
	B9	FRANKLIN et al., "Integration of suspended carbon nanotube arrays into electronic devices and electromechanical systems," Appl. Phys. Lett., Vol. 81, No. 5, pp. 913-915, July 29, 2002.	
	B10	HOMMA et al., "Growth of suspended carbon nanotube networks on 100-nm-scale silicon pillars," Appl. Phys. Lett., Vol. 81, No. 12, pp. 2261-2263, September 16, 2002.	

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	B11	URAL et al., "Electric-field-aligned growth of single-walled carbon nanotubes," Appl. Phys. Lett., Vol. 81, No. 18, pp. 3464-3466, October 28, 2002.	
	B12	CAMPBELL et al., "Simple catalyst for the growth of small-diameter carbon nanotubes," Appl. Phys. Lett., Vol. 81, No. 24, pp. 4586-4588, December 9, 2002.	
	B13	JAVEY et al., "High-k dielectrics for advanced carbon-nanotube transistors and logic gates," Nature Materials, Vol. 1, pp. 241-246, December 2002.	
	B14	WHITSITT et al., "Silica Coated Single Walled Carbon Nanotubes," Nano Letters, Vol. 3, No. 6, pp. 775-778, 2003.	
	B15	ZAMBOV et al., "Template-Directed CVD of Dielectric Nanotubes," Chem. Vap. Deposition, Vol. 9, No. 1, pp. 26-33, 2003.	
	B16	MARTY et al., "Self-assembled single wall carbon nanotube field effect transistors," IEEE Nano, Vol. 2, pp. 240-243, 2003.	
	B17	HAN et al., "Coating Single-Walled Carbon Nanotubes with Tin Oxide," Nano Letters, Vol. 3, No. 5, pp. 681-683, 2003.	
	B18	CHUNG et al., "Nanoscale gap fabrication and integration of carbon nanotubes by micromachining," Sensors and Actuators A, Vol. 104, pp. 229-235, 2003.	
	B19	PENG et al., "Patterned growth of single-walled carbon nanotube arrays from a vapor-deposited Fe catalyst," Appl. Phys. Lett., Vol. 83, No. 20, pp. 4238-4240, November 17, 2003.	
	B20	CHIN et al., "Optical limiting properties of amorphous SixNy and SiC coated carbon nanotubes," Chem. Phys. Lett., Vol. 383, pp. 72-75, 2004.	

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	B21	RADOSAVLJEVIC et al., "High performance of potassium n-doped carbon nanotube field-effect transistors," Appl. Phys. Lett., Vol. 84, No. 18, pp. 3693-3695, May 3, 2004.	
	B22	GRAHAM et al., "Towards the integration of carbon nanotubes in microelectronics," Diamond and Related Materials, Vol. 13, pp. 1296-1300, 2004.	
	B23	PENG et al., "Coulomb blockade in suspended Si3N4-coated single-walled carbon nanotubes," Appl. Phys. Lett., Vol. 84, No. 26, pp. 5428-5430, June 28, 2004.	

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